

## ABSTRACT OF THE DISCLOSURE

A power system, such as an integrated power module comprising a bi-directional converter, functionally combines a power inverter and a charger such as a charger for charging one or more electrical storage devices such as batteries and/or super- or ultra-capacitors. A first switch selectively couples one or more AC devices to the bi-directional converter, and/or a second switch selectively couples a boosting circuit to one or more DC devices and/or reverses polarity of the coupling. The power system may have electric vehicle and/or vehicle-to-grid applications.

130209.492/399947\_2.DOC